

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Flex your power!
Be energy efficient!*

September 19, 2012

04-Ala-580-R7.8/19.1

04-2908V4

Project ID 0412000405

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ALAMEDA COUNTY IN LIVERMORE, DUBLIN AND PLEASANTON FROM 0.2 MILE EAST OF GREENVILLE ROAD OVERHEAD TO 0.3 MILE WEST OF HACIENDA DRIVE OVERCROSSING.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Friday, October 5, 2012 at 10:00 a.m..

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, and the Bid book.

Project Plan Sheets 2, 7, 58, 296, 601, 608, 616, 623, 625 and 669 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheet 582 is deleted.

In the Notice to Bidders, the eleventh paragraph is revised as follows:

"Do not bid less than 340 working days and not more than 480 working days."

In the Notice to Bidders, the fourteenth paragraph is revised as follows:

"The Department will receive bids until 10:00 a.m. on the bid open date at 1727 30th Street, Bidders' Exchange, MS 26, Sacramento, CA 95816. Bids received after this time will not be accepted. Department staff will direct the bidders to the bid opening."

In the Special Provisions, Section 2-1.07, "WORKING DAYS BID," is added as follows:

"2-1.07 WORKING DAYS BID

If your bid for time is less than or exceeds the number of working days described in the Notice to Bidders, your bid is nonresponsive."

In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION, AND LIQUIDATED DAMAGES," subsection "DISINCENTIVES," is added as attached.

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In the Special Provisions, Section 5-1.12, "SPECIES PROTECTION," is revised as attached.

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the fourth paragraph is revised as follows:

"All initial clearing and grubbing, initial soil disturbance and construction activities that have the potential to result in siltation of waterbodies shall be limited to the dry season, defined as April 15 to October 15.

Construction activities within Arroyo Seco Creek (Reinforced box culvert extension) and Arroyo Las Positas Creek (Bridge widening) shall be limited to April 15 to October 15."

All falsework (temporary work platforms) at Arroyo Las Positas Creeks shall be removed before October 15."

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the ninth paragraph is revised as follows:

"The work shall be performed in conformance with the stages of construction shown on the plans. Nonconflicting work in subsequent stages may proceed concurrently with work in preceding stages, provided satisfactory progress is maintained in the preceding stages of construction and is approved by the Engineer."

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the following paragraph is added after the ninth paragraph.

"Attention is directed to "Disincentives" of these special provisions. All work from Stage 2A and Stage 2B which conflicts with the WB Contract 04-2908C4 median barrier and bridge widening work at North Livermore Avenue overcrossing between Stations "B" 619+50 to 675+00 shall be completed within the first 180 working days of the contract approval and notice to proceed."

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In the Special Provisions, Section 10-1.16, "COOPERATION," the table in the first paragraph is revised as follows:

"

Contract No.	Co-Rte-PM	Location	Type of Work
04-2908C4	Ala-580-8.4/R14.6	Dublin, Pleasanton, Livermore	Pavement rehabilitation and Freeway widening including bridge widening at N. Livermore Avenue
04-2908E4	Ala-580-R14.6/R21.4	Dublin, Pleasanton, Livermore	Freeway Widening and Pavement Rehabilitation. Widening at Tassajara Creek
04-0A7901	04-VAR-VAR	Within Contra Costa and Alameda Counties	MBGR Terminal Systems Upgrade
04-0G1904	04-580-R7.8/20.7	I-580 EB from Hacienda Drive OC to Greenville Road UC	HOV to Express Lane Conversion
04-1G0904	04-580-R21.43	I-580 EB Off-ramp at Foothill Road/San Ramon Road	Ramp Reconfiguration
04-151134	04-580-9.5/31.0; 04-238-14.4/16.1	Castro Valley, Hayward, Dublin, Pleasanton	Ramp Widening and Ramp Metering
04-3A9601	04-580-R9.2	EB Livermore Weigh Station	Rehabilitate and Upgrade Weigh Station
04-4A07U4	04-580-R4.7/R8.2	I-580 EB from North Flynn Road to Greenville Road UC	Construct Truck-Climbing Lane
04-4G1904	04-580-0.0/9.5, 21.5/27.0	Castro Valley, Hayward, Dublin, Pleasanton	Ramp Widening and Ramp Metering
04-4S3704	04-580-R11.1	Arroyo Seco Creek Rock Slope Protection, Livermore	Rock Slope Protection

In the Special Provisions, Section 10-1.59, "CONCRETE STRUCTURES," subsection "BRIDGE DECK SURFACE TEXTURE," is added before, subsection "DECK CLOSURE POURS," as attached.

In the Special Provisions, Section 10-1.78, "PERMEABLE MATERIAL," is revised as attached.

In the Bid book, in the "Bid Item List," Item 167 is revised.

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September 19, 2012

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To Bid book holders:

Replace pages 11 and 13 of the "Bid Item List" in the Bid book with the attached revised page 11 and 13 of the Bid Item List. The revised Bid Item List is to be used in the bid.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the Notice to Bidders section of the Notice to Bidders and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the Bid book.

Submit bids in the Bid book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This addendum and attachments are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/04/04-2908V4

If you are not a Bid book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,



REBECCA D. HARNAGEL
Chief, Office of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services

Attachments

DISINCENTIVES

Disincentive deductions apply to the completion of the work specified in the Disincentive table.

Comply with "Maintaining Traffic" and "Closure Requirements and Conditions" of these special provisions.

Disincentive deductions are independent of liquidated damages and damages specified in "Closure Requirements and Conditions" of these special provisions.

Work	Time of Completion of Work (Working Days)	Disincentive Deduction per Day
Complete all work between Sta "B" 619+50 to 675+00 (except for final HMA-O) as shown in Stages 2A and 2B	Within the first 180 working days of the contract approval and notice to proceed	\$10,500

Total disincentive deduction will not exceed \$315,000

The time limit specified for the completion of the work is considered insufficient to permit completion of the work by working a normal number of hours per day or week on a single shift basis. Should you fail to maintain the progress of the work in conformance with "Progress Schedule (Critical Path Method)" of these special provisions, additional shifts will be required to the extent necessary to ensure that the progress conforms to the above mentioned schedule and that the work will be completed within the time limit specified.

Actions required by the Engineer to perform normal inspection and testing duties will not be considered as contributing to any delay that will require charging disincentives.

Full compensation for any additional costs incurred by compliance with the provisions in this section is included in the prices paid for the various contract items of work and no additional compensation will be allowed.

5-1.12 SPECIES PROTECTION

GENERAL

Summary

This work includes protecting regulated species or their habitat.
This project is within or near habitat for regulated species:

California red-legged frog (<i>Rana aurora draytonii</i>)
Nesting birds and raptors

Comply with Section 14-6.02 of the Standard Specifications.

CONSTRUCTION

Protective Radius

Upon discovery of a regulated species, stop construction activities within a 50 foot radius of the discovery or as defined in the table below. Immediately notify the Engineer. Do not resume activities until receiving written notification from the Engineer.

Regulated Species Name	Protective Radius
California red-legged frog (<i>Rana aurora draytonii</i>)	50 foot

Biological Resource Information

Implement the following Biological Resource Information requirements.

1. All workers must receive Biological Resource Information training (maximum 2 hours) from the Department supplied biologist before performing on-site work. Workers include laborers, tradesmen, material suppliers, equipment maintenance personnel, supervisors, foremen, office personnel, food vendors, and other personnel that stay on the project longer than 30 minutes.
2. You must provide an office near the jobsite for the Biological Resource Information training. Notify the Engineer of the location for the training at least 7 days prior to the first training class and ensure attendance of your workers.
3. Provide the Engineer with an attendance list including the printed and signed name of each attendee of the Biological Resource Information training. Provide the Engineer with the attendance list within 1 working day following each environmental education session. Submit a separate attendance list for each subsequent session for new workers.

Protection Measures

Within Biological Monitoring Area 1 (entire project limit), implement the following protection measures:

1. Nesting Bird Protection, Bird Nest Removal and Bird Nest Prevention:
 - a) Vegetation removal and bridge demolition activities shall not occur during the breeding season of February 15 through September 15.
 - b) If approved by the Engineer, vegetation removal and/or bridge demolition may occur during the breeding season. The Engineer may approve the work only if the survey of the jobsite by the Department's biologist within 3 days prior to the proposed start of work shows absence of nesting birds. The Contractor shall request for the survey to the Engineer in writing, 15 working days prior to the proposed start date for vegetation removal and/or bridge demolition during the breeding season. The Contractor will not be entitled to compensation nor additional working days due to denial of work by the Engineer during the breeding season.
 - c) Outside of the anticipated bird breeding season of February 15 through September 15, remove all nests and prevent birds from nesting on the existing and new permanent and temporary structures during construction.

- d) Submit Bird Nesting Removal and Prevention Plan (2 copies) for review 15 days after contract approval. Allow 15 days for review and approval of the plan. If revisions are required, revise and resubmit the plan within 10 days of receipt of the Engineer's comments and allow 5 days for review and approval of the revisions. Do not proceed with the work on existing structures until the plan is approved.

The plan must describe:

1. Locations of work.
 2. Nesting removal, prevention, inspection and maintenance methods.
 3. Equipment used.
 4. Schedule for removing nests and installing exclusion devices.
- e) If bird nests are observed during the anticipated bird breeding season of February 15 through September 15, bird nests may be removed and birds may be prevented from nesting by employing the following protocols:
1. Remove unoccupied nests by using a long pole or by hosing off with water. Dispose of the removed nests in conformance with the provisions in Section 7-1.13, "Disposal of Material outside the Highway Right of Way and in "Water Pollution Control" of these special provisions.
 2. After the nests are removed, prevent birds from nesting by installing heavy delta knotless netting, 1/2-inch square mesh, or alternative exclusion devices approved by the Engineer.
 3. Every other day, inspect exclusion devices and check for any signs of nesting. Maintain, repair and replace the devices to correct any problem discovered within 24 hours. Remove unoccupied new or partially built nests. Keep a written inspection record of time, date, condition, and any action taken.
 4. If you discover an occupied nest on any structure, stop the work within the protective radius immediately and notify the Engineer. Do not disturb birds or nests occupied by birds, hatchlings or eggs. Do not resume work until directed in writing by the Engineer.
 5. When directed by the Engineer, remove and dispose of all exclusion devices in conformance with the provisions in Section 7-1.13, "Disposal of Material outside the Highway Right of Way," of the Standard Specifications.
- f) Submit a copy of the inspection records of nesting removal and prevention for the previous week to the Engineer no later than following Tuesday.

2. Invasive Species:

- a) All earthmoving equipment to be used during project construction shall be thoroughly cleaned before arriving on the project site.
- b) All seeding equipment (i.e., hydroseed trucks) shall be thoroughly rinsed at least three times prior to arriving at the project site and beginning seeding work.
- c) To avoid spreading any non-native invasive species already existing on-site, to off-site areas, all equipment shall be thoroughly cleaned before leaving the site.

3. Species Protection:

- a) Prior to any initial ground disturbing activity in potential regulated species habitat the Service approved biologist(s) must survey the job site for regulated species listed in the above table.
- b) Contractor owned cats or dogs are not allowed on the job site.
- c) All excavated, steep-walled holes or trenches more than 2-feet deep must be covered at the close of each working day by plywood or similar materials. Alternatively, an additional 4-foot high vertical barrier, independent of exclusionary fences, may be used. If it is not feasible to cover an excavation or provide an additional 4-foot high vertical barrier, independent of exclusionary fences, one or more escape ramps constructed of earth fill or wooden planks must be installed with slopes of 4:1 or flatter. Before such holes or trenches are filled, they must be thoroughly inspected for trapped animals by the Service approved biologist(s).

- d) Project related vehicle traffic will be restricted to established roads, construction areas, and other designated areas.
- e) Project related vehicles will observe a 15-mile per hour speed limit for construction phases except on County roads and State and Federal highways. Off-road traffic outside of designated action area is prohibited.
- f) No firearms will be allowed in the action area except for those carried by authorized security personnel, or local, State, or Federal law enforcement officials.

MEASUREMENT AND PAYMENT

Full compensation for Species Protection is included in the various contract items of work and no additional compensation will be allowed.

BRIDGE DECK SURFACE TEXTURE

General

This work includes the longitudinal texturing of new bridge decks including approach slabs.

Construction

General

For bridge widenings, texture the deck surface longitudinally using longitudinal tining.

After receiving surface texture, portions of surfaces that do not meet the friction requirements of Section 51-1.17, "Finishing Bridge Decks," of the Standard Specifications shall be ground or grooved parallel to the centerline in conformance with the provisions of Section 42, "Groove and Grind Pavement," of the Standard Specifications until the friction criteria are met.

Longitudinal Tining

Construct the surface texture by longitudinal deck tining.

Perform initial texturing with a burlap drag or broom device that produces striations parallel to the centerline. Perform final texturing with spring steel tines that produce grooves parallel with the centerline.

Construct grooves to within 6 inches of the layout line for the toe of the concrete barrier. The tines must be rectangular in cross section and be from 3/32 to 1/8 inch wide, on 3/4-inch centers, and have enough length, thickness, and resilience to form grooves approximately 3/16 inch deep. Grooves must be from 1/8 to 3/16 inch deep and 3/16 inch wide after concrete has hardened.

For irregular areas and areas inaccessible to the grooving machine, you may hand-construct grooves. Hand-constructed grooves must comply with the specifications for machine-constructed grooves.

Grooving must not cause tearing of the surface or visible separation of coarse aggregate at the surface.

Measurement and Payment

Full compensation for bridge deck surface texture is included in the contract price paid per cubic yard for the structural concrete item requiring the texturing, and no additional compensation will be allowed therefor.

10-1.78 PERMEABLE MATERIAL(STORMWATER)

MATERIALS

Permeable Material (stormwater) must comply with Section 68, "Subsurface Drains," of the Standard Specifications and consist of hard, durable, clean sand, gravel or crushed stone, and shall be free from organic material, clay balls, or other deleterious materials. The permeable material must be class three in accordance with provisions of these special provisions and shall be washed, so the effluent from washing is below 200 NTU prior to placement and washed again once installed, so that the effluent from the BMP is less than 200 NTU.

Permeable Material must conform to the following grading requirements.

Grading Requirements

Sieve Sizes	Percentage Passing
<u>3/4"</u>	<u>100</u>
<u>1/2"</u>	<u>95-100</u>
<u>3/8"</u>	<u>70-100</u>
<u>No. 4</u>	<u>0-55</u>
<u>No. 8</u>	<u>0-10</u>
<u>No. 100</u>	<u>0-3</u>
<u>No. 200</u>	<u>0</u>

Filter Fabric for use with permeable material shall conform to the provisions in Section 88-1.02, "Filtration" of the standard Specifications and the following.

Remove loose or extraneous material and sharp objects immediately before placing filter fabric. The subgrade and trench to receive the filter fabric must comply with the compaction and elevation tolerance specified for the material involved. Handle and place filter fabric under the manufacturer's instructions. Align and place filter fabric without wrinkles. Overlap adjacent roll ends of filter fabric at least 18 inches. The preceding roll must overlap the following roll in the direction that the permeable material is being spread. Completely replace torn or punctured sections damaged during placement or repair by placing a piece of filter fabric that is large enough to cover the damaged area and comply with the overlap specified. Cover filters fabric with the thickness of overlying material shown within 72 hours of placing the fabric.

MEASUREMENT AND PAYMENT

Permeable Material (stormwater) is measured by the cubic yard. Quantities of permeable material to be paid for by the cubic yard will be determined from the dimensions shown on the plans or the dimensions directed by the Engineer and permeable material placed in excess of the these dimensions will not be paid for. .

The contract price paid per cubic yard for permeable material (stormwater) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in constructing the permeable material, complete in place, including washing the permeable material and disposing of the water, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

BID ITEM LIST

04-2908V4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161	703530	12" WELDED STEEL PIPE (.105" THICK)	LF	61		
162	705311	18" ALTERNATIVE FLARED END SECTION	EA	11		
163	705315	24" ALTERNATIVE FLARED END SECTION	EA	2		
164	705319	30" ALTERNATIVE FLARED END SECTION	EA	1		
165	721013	ROCK SLOPE PROTECTION (1/4 T, METHOD B) (CY)	CY	300		
166	721015	ROCK SLOPE PROTECTION (LIGHT, METHOD B) (CY)	CY	220		
167 (F)	721810	SLOPE PAVING (CONCRETE)	CY	67		
168	729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	430		
169 (F)	730040	MINOR CONCRETE (GUTTER) (LF)	LF	1,773		
170	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	CY	1		
171	731530	MINOR CONCRETE (TEXTURED PAVING)	SQFT	5,130		
172 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	42,756		
173 (F)	750505	BRIDGE DECK DRAINAGE SYSTEM	LB	2,616		
174	800320	CHAIN LINK FENCE (TYPE CL-4)	LF	47		
175	800360	CHAIN LINK FENCE (TYPE CL-6)	LF	6,240		
176	802520	6' CHAIN LINK GATE (TYPE CL-6)	EA	10		
177	820107	DELINEATOR (CLASS 1)	EA	22		
178	820118	GUARD RAILING DELINEATOR	EA	75		
179	024046	CONCRETE BARRIER MARKER	EA	17		
180	820151	OBJECT MARKER (TYPE L-1)	EA	7		

BID ITEM LIST

04-2908V4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
201	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	20,500		
202	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	8,600		
203	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
204	860400	LIGHTING (TEMPORARY)	LS	LUMP SUM	LUMP SUM	
205	860460	LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
206	024048	COMMUNICATION CONDUIT (FIBER OPTIC)	LS	LUMP SUM	LUMP SUM	
207	024049	RELOCATE WIRELESS VEHICLE DETECTOR SYSTEM	LS	LUMP SUM	LUMP SUM	
208	024050	WIRELESS VEHICLE DETECTOR SYSTEM (TEMPORARY)	LS	LUMP SUM	LUMP SUM	
209	024051	TRAFFIC MONITORING STATION (TEMPORARY)	LS	LUMP SUM	LUMP SUM	
210	024052	TRAFFIC OPERATIONS SYSTEM	LS	LUMP SUM	LUMP SUM	
211	024053	GENERAL PACKET RADIO SYSTEM WIRELESS MODEM ASSEMBLY	EA	1		
212	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

**TOTAL BID
FOR ITEMS:**

\$ _____

**TOTAL BID
FOR TIME:**

_____ X \$10,500.00 = \$ _____
WORKING DAYS BID **COST PER DAY**
 (Not less than 340 days
 And not to exceed 480 days)

TOTAL BID FOR COMPARISON (COST PLUS TIME):

\$ _____